



as Personal Representative of the	)	
heirs of NIKKY BAGUS SANTOSO,	)	
Deceased; TERRENCE BUEHLER,	)	
Personal Representative and	)	
Supervised Administrator of the	)	
Estate of PERMADI	)	
ANGGRIMULJA, Deceased, and on	)	
behalf of all heirs of PERMADI	)	
ANGGRIMULJA, Deceased; SITI	)	
FATIMAH, individually, and as next	)	
friend of her and Decedent's three	)	
minor sons, C.S.N., I.J.N., and	)	
M.A.I., and as Personal	)	
Representative of the heirs of	)	
RUDOLF PETROUS SAYERSZ,	)	
Deceased, <sup>1</sup>	)	
<i>Plaintiffs,</i>	)	
v.	)	
THE BOEING COMPANY, a	)	
corporation, THE UNITED STATES	)	
OF AMERICA and its subordinate	)	
agencies THE DEPARTMENT OF	)	
TRANSPORTATION and THE	)	
FEDERAL AVIATION	)	
ADMINISTRATION, ROCKWELL	)	
COLLINS, INC. n/k/a/ COLLINS	)	
AEROSPACE, a corporation,	)	
ROSEMOUNT AEROSPACE, INC.,	)	
a corporation, XTRA AEROSPACE,	)	
LLC, a limited liability company.	)	
<i>Defendants.</i>	)	
	)	
	)	
	)	

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<sup>1</sup> 11 of the 13 Plaintiffs listed above recently reached settlements and the parties are coordinating on settlement paperwork. These Plaintiffs are repeated in the Caption to preserve their claims until their individual claims are formally dismissed.

## **PLAINTIFFS' SECOND AMENDED COMPLAINT**

Plaintiffs, by their undersigned counsel, bring their Second Amended Complaint against the above-mentioned Defendants, and in support, allege the following:

### **THE AMERICAN INTEREST IN THIS LITIGATION**

1. The 737 MAX 8 crashes in Indonesia and Ethiopia resulted in the deaths of 346 people and shook the U.S. aviation industry. The crashes have resulted in the sustained grounding of the 737 MAX fleet; the termination of Boeing's Chairman, President, and CEO; multiple Congressional hearings; investigations into the certification and delegation practices of the Federal Aviation Administration and Boeing's design of the MAX; multiple reports from the legislative and executive branch; a criminal investigation; and a two-minute address by the President of the United States.

2. The crashes have also spawned proposed bipartisan legislation to reform the manner in which aircraft are certified in the United States and to strengthen oversight of Boeing.

3. Given that Boeing and its component part manufacturers designed and manufactured the defective 737 MAX aircraft in the United States, the Federal Aviation Administration certified the MAX in the United States, and these crashes have had and will continue to have a profound

effect on aviation safety practices in the United States, this litigation should be decided in the United States.

#### **BACKGROUND**

4. On Monday, October 29, 2018, a newly-delivered Boeing 737 MAX 8 commercial aircraft crashed in the Java Sea off the coast of Indonesia killing everyone on board. The Boeing 737 MAX 8 was being operated by the Lion Air airline as Lion Air Flight JT 610.

5. The newly-delivered Boeing 737 MAX 8 crashed as a result of, among other things, a new Boeing flight control system which automatically steered the aircraft toward the ground, and which caused an excessive nose-down attitude, significant altitude loss, and, ultimately, the crash into the Java Sea killing everyone on board.

6. The new automated flight control system on the Boeing 737 MAX 8 is known as the Maneuvering Characteristics Augmentation System (MCAS). Boeing added MCAS because during its redesign of the Boeing 737, Boeing changed the type, size, and placement of the aircraft's engines, which made the aircraft susceptible to stalling and altered the aircraft's handling characteristics.

7. Although the Boeing 737 MAX 8 has two angle of attack (AOA) sensors, Boeing knowingly designed the MCAS system to only rely on data from a single AOA sensor contrary to federal regulations, Boeing's own design practices, and hard-earned lessons from prior crashes.

8. Due to this lack of redundancy, if a single AOA sensor is defective, the sensor will feed false information to the MCAS, which, in turn, will cause the MCAS to repeatedly activate, override the pilots, and force the aircraft into an unwarranted nose-dive.

9. On March 10, 2019, a second Boeing 737 Max 8 aircraft crashed in Ethiopia (Ethiopian Airlines Flight 302) under circumstances which are strikingly similar to the Lion Air JT 610 crash, namely Boeing's MCAS was erroneously activated and forced the aircraft into an unwarranted nose-dive.

10. Following the Ethiopian Airlines crash, the Boeing 737 Max 8 aircraft was grounded around the world. Congress, the Department of Transportation, the Federal Aviation Administration (FAA), the Department of Justice, and the FBI have launched investigations into the certification and safety of the Boeing 737 MAX.

11. On April 4, 2019, Boeing's then-Chairman, President, and CEO, Dennis A. Muilenburg, issued a statement wherein he admitted that Boeing's MCAS activated based on erroneous AOA information, and that this was a contributing cause of both the Lion Air JT 610 crash and the Ethiopian Airlines Flight 302 crash.

12. Investigations into the tragic crashes of Lion Air JT 610 and Ethiopian Airlines Flight 302 suggest Boeing knew the following prior to these crashes:

(a) Boeing was aware that a highly trained Boeing test pilot needed in excess of 10 seconds to react to uncommanded MCAS activation which was deemed “catastrophic”;

(b) Boeing concealed the fact that MCAS was a new system and failed to designate it as a safety-critical system in order to avoid increased costs, greater scrutiny from the FAA, and increased training requirements for pilots and airline customers;

(c) Boeing had a financial incentive to minimize differences training between the 737NG and 737 MAX as Boeing was contractually obligated to pay a \$1 million rebate for each 737 MAX aircraft sold to Southwest Airlines if simulator training was required for the MAX;

(d) Boeing was aware that MCAS was dependent on and vulnerable to a single AOA sensor failure;

(e) Boeing was aware that the AOA Disagree Alert, which was mandated as standard equipment on all 737 MAX aircraft, was not functional on 80% of the 737 MAX fleet because it was tied to an optional AOA Indicator display for which Boeing charged customers an increased price;

(f) Boeing persuaded the Federal Aviation Administration to omit any reference to MCAS from the Flight Crew Operations Manual (FCOM) and concealed the fact that the AOA Disagree alert was not functional in the FCOM though they knew such alerts were not working on 80% of the 737 MAX fleet, including the Lion Air accident aircraft;

(g) Boeing rejected various design proposals which would have made the 737 MAX safer, including AOA redundancy, a synthetic airspeed system, modern cockpit displays, an Engine Indicating and Crew Alerting System, and an MCAS warning light and aggressively pushed for minimal pilot training because it prioritized profit and market share over the safety of the flying public.

13. Investigations into the 737 MAX crashes have also revealed that the Federal Aviation Administration and its employees and agents, including Boeing/FAA Authorized Representatives, failed to:

(a) assure that MCAS was disclosed and adequately explained to pilots and airlines in the FCOM;

(b) assure that critical safety information regarding MCAS, including its functions and failure modes, its dependency on a single AOA sensor, excessive pilot response time in the event of an unwarranted MCAS activation, was shared between the agency's internal offices so that the FAA could be fully informed and meaningfully evaluate and scrutinize MCAS and the 737 MAX aircraft to assure it was safe and in compliance with all applicable Federal Aviation Regulations, design requirements, and certification standards;

(c) assure that appropriate training, specifically simulator training, was provided to pilots and airlines so that they would understand the critical differences between the operation of the 737NG and the 737 MAX, especially with regard to MCAS;

(d) excessively delegated critical oversight responsibilities and analysis of the 737 MAX program to Boeing/FAA Authorized Representatives (ARs), including with respect to the new MCAS system, and then failed to supervise and coordinate with the Boeing/FAA ARs regarding key certification and safety issues;

(e) allowed Boeing's commercial interests and production schedule and its fierce competition with Airbus to trump the FAA's independent role and governmental interest in assuring that the 737 MAX aircraft was airworthy and safe for the flying public, and in full compliance with applicable FAA regulations, design requirements, and certification standards;

(f) understand the design of MCAS including that it could repeatedly activate, its failure modes, and MCAS's ability to quickly overwhelm pilots before certifying the 737 MAX aircraft; and,

(g) adequately hire, train, and supervise FAA employees and agents assigned to the 737 MAX program.

#### **SUBJECT MATTER JURISDICTION**

14. This Court has subject matter jurisdiction over this controversy under the Multiparty, Multiforum Trial Jurisdiction Act of 2002, 28 U.S.C. §

1369 (MMTJA), because there is minimal diversity between the parties and the accident involves at least 75 deaths at a discrete location in a single accident. Boeing is a Delaware corporation with its principal place of business in Illinois. Plaintiffs' Decedents are citizens of Indonesia. All Plaintiffs are citizens of Indonesia except for Plaintiff Terrence Buehler, who is domiciled in and a citizen of Illinois. In addition, the Defendants reside in different States, namely Illinois, Florida, Iowa, and Minnesota. Jurisdiction under the MMTJA is thus satisfied. The crash of Lion Air Flight JT 610 into the Java Sea resulted in the deaths of all 189 people on board the aircraft.

15. With respect to the United States of America and its subordinate agencies, the Department of Transportation and the Federal Aviation Administration, this Court has subject matter jurisdiction pursuant to the Suits in Admiralty Act, 46 U.S.C. § 30903, *et seq.*

16. This Court also has subject matter jurisdiction pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307.

17. Plaintiffs elect to pursue all admiralty and maritime claims in this Court under the Savings-to-Suitors Clause. *See* 28 U.S.C. § 1333.

#### **PARTIES & VENUE**

18. Plaintiffs' Decedents are citizens of Indonesia. All Plaintiffs are citizens of Indonesia except for Plaintiff Terrence Buehler, who is domiciled in and a citizen of Illinois. Plaintiff Terrence Buehler, in his capacity as the Personal Representative and Supervised Administrator of the Estate of



Permadi Anggrumulja, brings this action on behalf of the Estate of Permadi Anggrumulja and all heirs of Permadi Anggrumulja, Deceased. Plaintiff Terrence Buehler was duly appointed by the Circuit Court of Cook County, Illinois, Probate Division. Plaintiff Terrence Buehler was also duly appointed as the Personal Representative and Independent Administrator of the Estate of Liu Chandra, who also tragically perished in this crash. Plaintiff Terrence Buehler, in his capacity as the Personal Representative and Independent Administrator of the Estate of Liu Chandra, brings this action on behalf of the Estate of Liu Chandra and all heirs of Liu Chandra, Deceased.

19. Defendant The Boeing Company (“Boeing”) is a corporation organized under the laws of Delaware with its worldwide headquarters and principal place of business in Chicago, Illinois. Boeing designed, manufactured, tested, and sold the 737 MAX, including the defective MCAS.

20. Defendant the United States of America and its subordinate agencies, the Department of Transportation and the Federal Aviation Administration (collectively referred to herein as “the United States”) are being sued pursuant to the Suits in Admiralty Act, 46 U.S.C. § 30903, *et seq.*, and the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, for the negligent acts of the managers, employees, and agents of the Federal Aviation Administration as more fully described herein, which resulted in the deaths of Plaintiffs’ Decedents.

21. Defendant Rockwell Collins, Inc. n/k/a Collins Aerospace (“Rockwell Collins”) is a corporation organized under the laws of Delaware with its principal place of business in Iowa. Rockwell Collins designed, manufactured, tested, and sold the flight control computers, including software incorporated into the MCAS on the Subject Aircraft.

22. Defendant Rosemount Aerospace, Inc. (“Rosemount”) is a corporation organized under the laws of Delaware with its principal place of business in Minnesota. Rosemount designed, manufactured, tested, and sold the angle of attack sensors on the Subject Aircraft.

23. Defendant Xtra Aerospace, LLC (“Xtra Aerospace”) is a limited liability company organized under the laws of Delaware with its principal place of business in Florida. Xtra Aerospace repaired, overhauled, calibrated, and tested one of the angle of attack sensors on the Subject Aircraft.

24. Venue is proper because Boeing’s worldwide headquarters and principal place of business is located in Chicago, Illinois, and a substantial part of the events or omissions giving rise to Plaintiffs’ claims occurred in this District.

## **GENERAL ALLEGATIONS**

### **I. Boeing 737 MAX 8 Design & Manufacture**

25. Boeing’s 737 series of aircraft is the highest selling commercial aircraft in history with over 10,000 aircraft delivered.

26. Boeing's 737 MAX series is the fourth generation of the Boeing 737 series of aircraft and was first announced by Boeing on August 30, 2011; the first flight was several years later, on January 29, 2016.

27. Prior to March 8, 2017, Boeing designed the 737 MAX 8 model aircraft in the United States.

28. On March 8, 2017, the Federal Aviation Administration ("FAA") approved the design for the 737 MAX 8 model aircraft, also known as the 737-8.

29. At all relevant times, Boeing manufactured the 737 MAX 8 model aircraft in the United States.

30. The 737 MAX 8 is one of Boeing's several 737 MAX series of aircraft, the newest generation of Boeing's 737 series of aircraft, which Boeing initially designed, in the United States, in or around 1964—over 50 years ago.

31. According to Boeing, as part of its generational redesigns of the 737 series of aircraft, it "has continuously improved the products, features, and services."

32. At all relevant times, Boeing marketed the 737 MAX aircraft as a seamless continuation of its prior 737 series aircraft in terms of operation and maintenance.

33. On its website, Boeing states:

Airlines ask for an airplane that fits smoothly in today's fleet

Because of the 737's popularity with airlines everywhere around the world, integrating the new 737 MAX is an easy proposition. As you build your 737 MAX fleet, millions of dollars will be saved because of its commonality with the Next-Generation 737, ease of maintenance, wide availability of 737 pilots, and the global infrastructure that supports the aircraft in operation.<sup>2</sup>

On the same website, Boeing further states that “737 *Flight Crews Will Feel at Home in the MAX.*”<sup>3</sup> (emphasis added.)

34. The Boeing 737 MAX 8, however, had a significantly different design from previous 737-series aircrafts, which were not appropriately disclosed to airlines or pilots.

## **II. Boeing 737 MAX 8 Defects**

35. Unlike any prior 737, Boeing designed the 737 MAX 8 to automatically dive toward the ground in certain situations, namely, where the aircraft's AOA sensor provided information to the MCAS indicating such a dive was necessary to maintain lift.

36. A consequence of this unsafe design, however, was that any misinformation from the AOA sensor to the MCAS would cause the Boeing 737 MAX 8 to automatically and erroneously dive toward the ground. This condition can lead to an excessive nose-down attitude, significant altitude loss, and impact with terrain.

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<sup>2</sup> <https://www.boeing.com/commercial/737max/by-design/#/operational-commonality>

<sup>3</sup> <https://www.boeing.com/commercial/737max/by-design/#/advanced-flight-deck>

### **III. Lion Air Flight 610**

37. In or around August 2018, Boeing delivered a newly manufactured 737 MAX 8 aircraft with tail number PK-LQP (the “Subject Aircraft”) to Lion Air airlines in Indonesia.

38. Two months later, on the morning of October 29, 2018, Lion Air was operating the Subject Aircraft on a commercial flight from Jakarta, Indonesia to Pangkal Pinang, Indonesia (“Lion Air Flight JT 610”).

39. Around 6:22 a.m. on the morning of October 29, 2018, shortly after takeoff from Jakarta, the pilot for Lion Air Flight JT 610 asked air traffic control to return to Jakarta because of a problem controlling the subject aircraft.

40. For nearly 10 minutes, the pilots fought for control of the aircraft but were repeatedly overridden by MCAS, which erroneously activated more than two dozen times and drove the nose of the airplane down to the sea. The passengers and crew were aware of the danger that they were in and their impending deaths and experienced pre-impact fear of impending and imminent death and conscious pain and suffering.

41. Around 10 minutes later, around 6:32 a.m., the Subject Aircraft crashed into the Java Sea at a high speed and disintegrated.

42. Plaintiffs’ Decedents were onboard Flight JT 610 and died in the crash.

43. At no relevant time prior to the crash of Lion Air Flight JT 610 into the Java Sea did Boeing adequately warn Lion Air or its pilots of the unsafe condition caused by the new “auto-diving” design of the 737 MAX 8 flight system.

44. As a result of the crash of Lion Air Flight JT 610, on November 7, 2018, the FAA issued “Emergency Airworthiness Directive (AD) 2018-23-51 [to] owners and operators of The Boeing Company Model 737-8 and -9 airplanes,” which contained mandatory warning and instructions as to the “unsafe condition . . . likely to exist or develop” in the 737 MAX 8 relating to its new auto-diving feature.

45. According to reports, prior to the crash of Lion Air Flight JT 610, Boeing 737 pilots “were not privy in training or in any other manuals or materials” to information regarding “the new system Boeing had installed on 737 MAX jets that could command the plane’s nose down in certain situations to prevent a stall.”<sup>4</sup> Further reports indicate that Boeing “withheld information about potential hazards with the new flight-control feature.”<sup>5</sup>

#### **CAUSES OF ACTION**

#### **COUNT I – DEFENDANT BOEING STRICT PRODUCTS LIABILITY – WRONGFUL DEATH**

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<sup>4</sup> <https://www.malaymail.com/s/1692841/indonesia-says-situation-facing-lion-air-flight-jt610-crew-not-in-flight-ma>

<sup>5</sup> <https://www.wsj.com/articles/boeing-withheld-information-on-737-model-according-to-safety-experts-and-others-1542082575>

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At the time the Subject Aircraft left the control of Boeing, the Subject Aircraft was defective, not fit for its intended purposes and unreasonably dangerous in one or more of the following particulars:

- a) the subject aircraft contained an auto-dive system—known as the MCAS—that was designed, manufactured, and configured to dive the aircraft toward the ground in certain conditions against the pilot's intentions and without adequate warning to the flight crew;
- b) the subject aircraft was designed, manufactured, and configured in a manner in which an auto-dive disengage during flight created an excessive and unrealistic work load on the flight crew;
- c) the subject aircraft lacked proper and adequate instructions and warnings regarding the design and functions of its auto-dive system;
- d) the subject aircraft lacked proper and adequate instructions and warnings and/or limitations regarding flight procedures for a malfunctioning auto-dive system;
- e) the subject aircraft was designed without an electronic alert system to timely inform pilots what was malfunctioning and how to resolve it;
- f) the subject aircraft's auto-dive system was designed based on data fed to it from a single AOA sensor, though the aircraft was equipped with two AOA sensors, which created a single point of failure;
- g) the subject aircraft contained defective AOA sensors;
- h) despite the lack of redundancy in the design of the MCAS, the subject aircraft did not come with safety critical equipment including an AOA indicator or AOA disagree light; Boeing's customers, including Lion Air, had to pay extra for this critical safety equipment;

- i) Designed the aircraft without AOA redundancy or a synthetic airspeed system, modern cockpit displays, an Engine Indicating and Crew Alerting System, and an MCAS warning light.
- j) the subject aircraft was otherwise defective by nature of its design, manufacture, configuration, and/or assembly in particulars to be determined by discovery herein.

47. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered personal injury and death.

48. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

49. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.



**COUNT II – DEFENDANT BOEING  
STRICT LIABILITY – PRODUCTS LIABILITY – SURVIVAL ACT**

1-46. Plaintiffs re-adopt and reallege paragraphs 1-46 of Count I above.

47. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

48. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT III – DEFENDANT BOEING  
NEGLIGENCE – PRODUCTS LIABILITY – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At all relevant times, Boeing owed a legal duty to assure that the Subject Aircraft was properly designed, manufactured, and assembled and free from defects so as not to cause personal injury or death.

47. Boeing breached its duties under the law and was negligent in one or more of the following ways:

- a) the subject aircraft contained an auto-dive system—known as MCAS—that was designed, manufactured, and configured to dive the aircraft toward the ground in certain conditions against the pilot's intentions and without adequate warning to the flight crew;
- b) the subject aircraft was designed, manufactured, and configured in a manner in which an auto-dive disengage during flight created an excessive and unrealistic workload on the flight crew;
- c) the subject aircraft lacked proper and adequate instructions and warnings regarding the design and functions of its auto-dive system;
- d) the subject aircraft lacked proper and adequate instructions and warnings and/or limitations regarding flight procedures for a malfunctioning auto-dive system;
- e) the subject aircraft was designed without an electronic alert system to timely inform pilots what was malfunctioning and how to resolve it;
- f) the subject aircraft's auto-dive system was designed based on data fed to it from a single AOA sensor, though the aircraft was equipped with two AOA sensors, which created a single point of failure;
- g) the subject aircraft contained defective AOA sensors;
- h) despite the lack of redundancy in the design of the MCAS, the subject aircraft did not come with safety critical equipment including an AOA indicator or AOA disagree light; Boeing's customers, including Lion Air, had to pay extra for this critical safety equipment;
- i) the subject aircraft was otherwise defective by nature of its design, manufacture, configuration, and/or assembly in particulars to be determined by discovery herein;
- j) Boeing failed to conduct appropriate testing of the subject aircraft's components and systems prior to delivery to Lion Air;

- k) Boeing failed to conduct a thorough failure modes and effects analysis of the subject aircraft's components and systems, including of the MCAS;
- l) MCAS commanded more stabilizer input than could be counteracted by the flight crew pulling back on the column; and,
- m) Was otherwise negligent.

48. As a direct and proximate result of one or more of the aforementioned acts of negligence by Boeing, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea and Plaintiffs' Decedents sustained fatal injuries.

49. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

50. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants,

and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT IV – DEFENDANT BOEING  
NEGLIGENCE – PRODUCTS LIABILITY – SURVIVAL ACT**

1-47. Plaintiffs re-adopt and reallege paragraphs 1-47 of Count III above.

48. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

49. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT V – DEFENDANT BOEING  
NEGLIGENCE – FAILURE TO WARN – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At all relevant times, Boeing had a duty to inform and warn the owners, operators, and pilots of the 737 MAX 8 series of aircraft, including the Subject Aircraft, of the unsafe condition likely to exist or develop by virtue of MCAS and the auto-dive feature.

47. Boeing breached its duties under the law and was negligent in one or more of the following ways:

- a) the subject aircraft lacked proper and adequate instructions and warnings regarding the design and functions of its auto-dive system known as MCAS;
- b) the subject aircraft lacked proper and adequate instructions and warnings and/or limitations regarding flight procedures for a malfunctioning MCAS;
- c) the subject aircraft lacked an electronic alert system to timely inform pilots what was malfunctioning and how to resolve it;
- d) Boeing failed to inform airlines and pilots, including the Lion Air and its pilots, that unlike prior 737 Models, pulling back on the yoke and raising the nose would NOT activate breakout switches to stop automated tail movement; and,
- e) the 737 MAX 8 Flight Crew Operations Manual failed to appropriately alert pilots, including the pilots of the subject aircraft, to the design, functions, and hazards of Boeing's MCAS and procedures for addressing a malfunctioning MCAS.
- f) Failing to properly train pilots to identify an AOA sensor failure and MCAS input.
- g) Concealed that a malfunction of MCAS would result in a "catastrophic failure" despite the experience of Boeing test pilots;
- h) Deliberately understated the need for simulator training when transitioning from the 737 NG to the 737 MAX because it was in Boeing's financial interest under contracts with airlines, including Southwest Airlines, to minimize differences training;
- i) Concealed that the AOA disagree alert was not functional though Boeing knew this fact well in advance of the fatal crash;

- j) failed to warn that the flight control system and MCAS commanded more stabilizer input than could be counteracted by the flight crew pulling back on the column; and,
- k) failed to warn that the flight control system interfered with the pilots' ability to manually control the airplane; and,
- l) was otherwise negligent.

48. As a direct and proximate result of that breach, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

49. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

50. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT VI – DEFENDANT BOEING  
NEGLIGENCE – FAILURE TO WARN – SURVIVAL ACT**

1-47. Plaintiffs re-adopt and reallege paragraphs 1-47 of Count V above.

48. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs’ Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

49. Had Plaintiffs’ Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT VII – DEFENDANT UNITED STATES  
DEATH ON THE HIGH SEAS ACT/SUITS IN ADMIRALTY ACT**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. The Suits in Admiralty Act, 46 U.S.C. § 30903, *et seq.*, allows individuals to pursue maritime claims against the United States.

47. This action against the United States is founded upon the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307 for the death of Plaintiffs’ Decedents due to the negligence of the managers, employees, and agents of the Department of Transportation and the Federal Aviation Administration (“the FAA”) related to the 737 MAX, including MCAS.

48. At all times relevant, the FAA had a non-delegable duty to properly review, analyze, and test safety critical equipment on the Boeing 737 MAX, including MCAS.

49. At all times relevant, in its capacity as an employer and trainer, the FAA was required to appropriately hire, train, and supervise its employees and agents to assure that they competently perform their job duties and responsibilities, including with respect to assessing the safety and airworthiness of the Boeing 737 MAX, including MCAS, as well as pilot training requirements for the 737 MAX.

50. At all times relevant, the FAA and its employees and agents were required to properly review the Systems Safety Analysis for MCAS and fully understand its functions, failure modes, and hazard level before certifying the Boeing 737 MAX.

51. At all times relevant, the FAA and its employees and agents were required to conduct a proper risk assessment of MCAS and AOA system failures.

52. At all times relevant, the FAA and its employees and agents were statutorily obligated to prioritize public safety and the safety and airworthiness of the Boeing 737 MAX, including fully vetting the design, functions, failure modes, and hazard levels of MCAS, over the commercial interests and production demands of Boeing.



53. At all times relevant, the FAA and its employees and agents were obligated to adequately supervise the FAA's Authorized Representatives at Boeing, including with respect to the design, function, failure modes, and risks presented by MCAS, AOA sensor failures, and to assure that the system was safe and the 737 MAX was airworthy. While the FAA was permitted to delegate certain work to the FAA's Authorized Representatives at Boeing, it had a non-delegable duty to assure that work was performed in accordance with federal law and that those acting on the FAA's behalf were acting in furtherance of a legitimate governmental interest and not Boeing's pecuniary and commercial interests.

53. Contrary to its duties under the law, the FAA negligently, recklessly, and unlawfully:

- (a) hired, trained, and supervised its employees and agents and failed to assure they could competently fulfill their job duties and responsibilities, including inspecting, analyzing, and testing the 737 MAX, the design, function, failure modes, and hazard levels of MCAS, and pilot differences training requirements between the 737NG and the 737 MAX;

- (b) hired, trained, supervised, and assigned aviation safety inspectors (ASIs) to the 737 MAX program that were not qualified and appropriately trained to carry out their duties;

- (c) failed to assure that MCAS was disclosed and adequately explained to pilots and airlines given its inherent dangers;

- (d) failed to assure that appropriate training, specifically simulator training, was provided to pilots and airlines so that they would understand the critical differences between the operation of the 737NG and the 737 MAX, especially with regard to MCAS;

(e) failed to assure that critical safety information regarding MCAS, including its functions and failure modes, its dependency on a single AOA sensor, excessive pilot response time in the event of an unwarranted MCAS activation, was adequately reviewed, tested, assessed, and shared between the agency's internal offices so that the FAA could meaningfully evaluate and scrutinize MCAS and the 737 MAX to assure it was safe and in compliance with all applicable federal requirements before granting certification;

(f) excessively delegated critical oversight responsibilities and analyses of the 737 MAX program to Boeing/FAA Authorized Representatives (ARs), including with respect to the new MCAS system and then failed to supervise, monitor, and coordinate with the Boeing/FAA ARs regarding key certification and safety issues, including regarding MCAS;

(g) allowed Boeing's commercial interests and production schedule to override the FAA's independent safety role in assuring that the 737 MAX aircraft was airworthy and safe for the flying public;

(h) failed to allow FAA technical employees to complete their review of safety critical information, including regarding MCAS, and permitted FAA managers to pressure technical employees, strip technical employees of safety-critical tasks, and allowed managers to sign off on documents without adequately reviewing or understanding what they were signing;

(i) failed to understand the design of MCAS including that it could repeatedly activate, its failure modes, and MCAS's ability to quickly overwhelm pilots before certifying the 737 MAX aircraft;

(j) certified the 737 MAX aircraft and MCAS as safe and airworthy when its design was unacceptably dangerous as illustrated by two crashes in 5 months; and,

(k) otherwise failed to follow federal law and its own established rules and procedures.

54. As a direct and proximate result of these various breaches, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

55. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

56. Plaintiffs bring this action against the United States and its subsidiary agencies, the Department of Transportation and the Federal Aviation Administration, pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT VIII – DEFENDANT UNITED STATES  
NEGLIGENCE – SURVIVAL ACT**

1-53. Plaintiffs re-adopt and reallege paragraphs 1-53 of Count VII above.

54. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed

after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and severe terror prior to impact and prior to their deaths, and property damage.

55. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT IX – DEFENDANT ROCKWELL COLLINS, INC.  
STRICT PRODUCTS LIABILITY – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At the time the MCAS and its software left the control of Rockwell Collins, it was defective, not fit for its intended purposes and unreasonably dangerous in one or more of the following particulars:

- a. The design did not compare inputs from both AOA sensors;
- b. The flight control system was dependent on a single AOA sensor which are known to malfunction and fail;
- c. The flight control system and MCAS commanded more stabilizer input than could be counteracted by the flight crew pulling back on the column;
- e. The flight control system interfered with the pilots' ability to manually control the airplane;
- f. The flight control system did not screen the quality of the data and information coming from Rosemount's AOA sensors despite known defects with AOA sensors and known issues with spurious data; and,
- g. Defects existed in the flight control computers.

47. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed

after takeoff in the Java Sea, and Plaintiffs' Decedents suffered personal injury and death.

48. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

49. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT X – DEFENDANT ROCKWELL COLLINS, INC.  
STRICT LIABILITY – PRODUCTS LIABILITY – SURVIVAL ACT**

1-46. Plaintiffs re-adopt and reallege paragraphs 1-46 of Count IX above.

47. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed

after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and severe terror prior to impact and prior to their deaths, and property damage.

48. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XI – DEFENDANT ROCKWELL COLLINS, INC.  
NEGLIGENCE – WRONGFUL DEATH**

1-45. Plaintiffs readopt and reallege general paragraphs 1-45 above.

46. At all relevant times, Rockwell Collins owed a legal duty to exercise reasonable care to assure that the MCAS and its software in the Subject Aircraft were properly designed, manufactured, assembled, tested and that the MCAS and its software were free from defects so as not to cause personal injury or death.

47. At all relevant times, Rockwell Collins knew or should have known of the dangers inherent in the design, coding and programming of MCAS and that a catastrophic failure was foreseeable as a result of the uncommanded and erroneous activation of MCAS.

48. Rockwell Collins breached its duties under the law and was negligent in one or more of the following ways:

- a. Failed to design or program a flight control system that compared inputs from both AOA sensors;
- b. Designed a flight control system that was dependent on a single AOA sensor which are known to malfunction;

- c. Failed to design or program a flight control system that only activated in non-normal conditions;
- d. Designed and manufactured a flight control system and MCAS that commanded more stabilizer input than could be counteracted by the flight crew pulling back on the column;
- e. Designed and manufactured a flight control system that interfered with the pilots' ability to manually control the airplane;
- f. Failed to conduct an appropriate Safety Requirements Review, Functional Hazard Assessment, or Preliminary System Safety Assessment;
- g. Failed to ensure the quality of the data and information coming from Rosemount's AOA sensors and take into account known defects with AOA sensors; and,
- h. Was otherwise negligent.

49. As a direct and proximate result of these various breaches, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

50. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

51. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents,

pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XII – DEFENDANT ROCKWELL COLLINS, INC.  
NEGLIGENCE – SURVIVAL ACT**

1-48. Plaintiffs re-adopt and reallege paragraphs 1-48 of Count XI above.

49. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

50. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XIII – DEFENDANT ROCKWELL COLLINS, INC.  
NEGLIGENCE – FAILURE TO WARN – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At all relevant times, Rockwell Collins had a duty to inform and warn the owners, operators, and pilots of the 737 MAX 8 series of aircraft,



including the Subject Aircraft, of the unsafe condition likely to exist or develop by virtue of defects in MCAS and its software.

47. Rockwell Collins breached its duties under the law and was negligent in one or more of the following ways:

- a. the subject aircraft lacked proper and adequate instructions and warnings regarding the design and function of MCAS;
- b. the subject aircraft lacked proper and adequate instructions and warnings and/or limitations regarding flight procedures for a malfunctioning MCAS;
- c. failed to inform airlines and pilots, including Lion Air and its pilots, that unlike prior 737 Models, pulling back on the yoke and raising the nose would NOT activate breakout switches to stop automated tail movement;
- d. the 737 MAX 8 Flight Crew Operations Manual failed to appropriately alert pilots, including the pilots of the subject aircraft, to the design, functions, and hazards of Boeing's MCAS and procedures for addressing a malfunctioning MCAS.
- e. failed to warn that a malfunction of MCAS would result in a "catastrophic failure";
- f. failed to warn that the flight control system did not compare inputs from both AOA sensors;
- g. failed to warn that the flight control system was dependent on a single sensor;
- h. failed to warn that MCAS commanded more stabilizer input than could be counteracted by the flight crew pulling back on the column;
- i. failed to warn that the flight control system interfered with the pilots' ability to manually control the airplane; and,
- j. was otherwise negligent.

48. As a direct and proximate result of that breach, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

49. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

50. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XIV - DEFENDANT ROCKWELL COLLINS  
NEGLIGENCE – FAILURE TO WARN – SURVIVAL ACT**

1-47. Plaintiffs re-adopt and reallege paragraphs 1-47 of Count XIII above.

48. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed

after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

49. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XV – DEFENDANT ROSEMOUNT AEROSPACE, INC.  
STRICT PRODUCTS LIABILITY – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At the time the AOA sensors left the control of Rosemount Aerospace, they were defective, not fit for their intended purposes and unreasonably dangerous in one or more of the following particulars:

- a. The AOA sensors contained dangerous conditions resulting in them suffering an unacceptable rate of failure and malfunction;
- b. The AOA sensors provide erroneous and spurious data to the MCAS system, which can lead to a catastrophic failure;
- c. The data from the AOA sensors are not compared with one another and thus a single defective AOA sensor results in unwarranted and unreasonably dangerous MCAS activation;
- d. The AOA sensors are not designed with sufficient redundancy and robust self-test features;
- e. The AOA sensors are susceptible to miscalibration due to an unreasonably dangerous design.

47. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered personal injury and death.

48. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

49. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XVI – DEFENDANT ROSEMOUNT AEROSPACE, INC.  
STRICT LIABILITY – PRODUCTS LIABILITY – SURVIVAL ACT**

1-47. Plaintiffs re-adopt and reallege paragraphs 1-47 of Count XV above.

48. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of

conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

49. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XVII – DEFENDANT ROSEMOUNT AEROSPACE, INC.  
NEGLIGENCE – WRONGFUL DEATH**

1-45. Plaintiffs readopt and reallege general paragraphs 1-45 above.

46. At all relevant times, Rosemount Aerospace owed a legal duty to exercise reasonable care to assure that the AOA sensors were properly designed, manufactured, assembled, tested and that the AOA sensors were free from defects so as not to cause personal injury or death.

47. At all relevant times, Rosemount Aerospace knew or should have known of the dangers inherent in the integrated design of the AOA sensors and MCAS and MCAS's dependency on a single AOA sensor.

48. Rosemount Aerospace breached its duties under the law and was negligent in one or more of the following ways:

- a. Designing and manufacturing AOA sensors containing dangerous conditions resulting in them suffering an unacceptable rate of failure and malfunction;
- b. Designing and manufacturing AOA sensors that provide erroneous and spurious data to the MCAS system, which can lead to a catastrophic failure;
- c. Designing and manufacturing AOA sensors that cause erroneous MCAS activation;
- d. Designing and manufacturing AOA sensors without sufficient redundancy and robust self-test features;
- e. Designing and manufacturing AOA sensors that are susceptible to miscalibration due to an unreasonably dangerous design; and,
- f. Was otherwise negligent.

49. As a direct and proximate result of these various breaches, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

50. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

51. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XVIII – DEFENDANT ROSEMOUNT AEROSPACE, INC.  
NEGLIGENCE – SURVIVAL ACT**

1-48. Plaintiffs re-adopt and reallege paragraphs 1-48 of Count XVII above.

49. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

50. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XIX – DEFENDANT ROSEMOUNT AEROSPACE, INC.  
NEGLIGENCE – FAILURE TO WARN – WRONGFUL DEATH**

1-45. Plaintiffs re-adopt and re-allege general paragraphs 1 through 45 above.

46. At all relevant times, Rosemount Aerospace had a duty to inform and warn the owners, operators, and pilots of the 737 MAX 8 series of aircraft, including the Subject Aircraft, of the unsafe condition likely to exist or develop by virtue of defects in MCAS and the AOA sensors.

47. Rockwell Collins breached its duties under the law and was negligent in one or more of the following ways:

- a. the AOA sensors and its integration with MCAS lacked proper and adequate instructions and warnings;
- b. the subject aircraft lacked proper and adequate instructions and warnings and/or limitations regarding flight procedures for a malfunctioning MCAS;
- c. failed to warn the AOA disagree alert was not functional though this hazard was known prior to the fatal crash.

- d. failing to warn that the AOA sensors have a high rate of failure, malfunction, and transmit disparate data between the two AOA sensors;
- e. failing to warn that the AOA sensors provide erroneous data to MCAS, which can lead to a catastrophic failure;
- f. failing to warn that the AOA sensors lack sufficient redundancy, robust self-test features, and are susceptible to miscalibration due to their design; and,
- g. was otherwise negligent.

48. As a direct and proximate result of that breach, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

49. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

50. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740 ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants,



and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XX - DEFENDANT ROSEMOUNT AEROSPACE, INC.  
NEGLIGENCE – FAILURE TO WARN – SURVIVAL ACT**

1-47. Plaintiffs re-adopt and reallege paragraphs 1-47 of Count XIX above.

48. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

49. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

**COUNT XXI – DEFENDANT XTRA AEROSPACE, LLC  
NEGLIGENCE – WRONGFUL DEATH**

1-45. Plaintiffs readopt and reallege general paragraphs 1-45 above.

46. At all relevant times, Xtra Aerospace, LLC owed a legal duty to exercise reasonable care to assure that the AOA sensors which it overhauled, repaired, refurbished, calibrated, and tested were functioning properly, properly calibrated, and were free from defects so as not to cause personal injury or death.

47. At all relevant times, Xtra Aerospace knew or should have known of the dangers inherent in selling and supplying an AOA sensor to Lion Air that was improperly overhauled, repaired, refurbished, calibrated, tested, misaligned, and contained defects.

48. Xtra Aerospace breached its duties under the law and was negligent in one or more of the following ways:

- a. Improperly overhauled, repaired, disassembled, and calibrated the AOA sensor;
- b. Improperly tested the AOA sensor and approved it for return to service though it was defective;
- c. Failed to discover that the AOA sensor was miscalibrated and defective;
- d. Failed to follow manufacturer and FAA testing procedures;
- e. Was otherwise negligent.

49. Following this crash, the Federal Aviation Administration revoked Xtra Aerospace's license.

50. As a direct and proximate result of these various breaches, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents sustained fatal injuries.

51. Due to the tragic death of the Decedents, Plaintiffs have been injured and claim all damages available to them, the estate, the survivors, the beneficiaries, and the heirs under applicable law, including substantial pecuniary losses, and grief, sorrow, mental suffering, loss of society, loss of companionship, love, and affection, and loss of advice.

52. Plaintiffs bring this action pursuant to the Death on the High Seas Act, 46 U.S.C. §§ 30302, 30307, the Illinois Wrongful Death Act, 740

ILCS 180/1 *et seq.*, or such other law as the Court determines to be applicable under the circumstances of this case.

WHEREFORE, the Plaintiffs, as the Personal Representatives and Administrators of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**COUNT XXII – DEFENDANT XTRA AEROSPACE, LLC  
NEGLIGENCE – SURVIVAL ACT**

1-48. Plaintiffs re-adopt and reallege paragraphs 1-48 of Count XXI above.

49. As a direct and proximate result of one or more of the foregoing conditions, the Subject Aircraft operating as Lion Air Flight JT 610 crashed after takeoff in the Java Sea, and Plaintiffs' Decedents suffered multiple and diverse injuries of both a personal and pecuniary nature, inclusive of conscious pain and suffering and sever terror prior to impact and prior to their deaths, and property damage.

50. Had Plaintiffs' Decedents survived, they would have been entitled to bring an action for damages, and such action has survived them.

WHEREFORE, the Plaintiffs, as the Personal Representatives of the Estates and on behalf of all heirs of the Decedents, pray that the Court enter judgment in their favor and against the Defendants, and award them all

damages available under the law, their court costs in this matter, and such other relief as the Court deems just and proper.

**JURY TRIAL**

Plaintiffs demand a jury trial on all claims and issues so triable.

Dated: October 26, 2021

Respectfully submitted,

By: /s/ Austin Bartlett

Austin Bartlett (ARDC No. 6273427)

**BartlettChen LLC**

77 W. Wacker Drive, Suite 4500

Chicago, Illinois 60601

(312) 624-7711

www.bartlettchenlaw.com

austin@bartlettchenlaw.com

--And--

By: /s/ Manuel von Ribbeck

Manuel von Ribbeck (ARDC No. 6230117)

Monica Ribbeck Kelly (ARDC No. 6225920)

**Ribbeck Law Chartered**

505 N. Lake Shore Drive, Suite 102

Chicago, Illinois 60611

(833) 883-4373

(312) 973-0146

www.ribbecklaw.com

mail@ribbecklaw.com

monicakelly@ribbecklaw.com

*Counsel for Plaintiffs*